Table S1. Risk of various outcomes in sex-reassigned subjects in Sweden compared to population controls matched for birth year and *birth sex*.

		Crude hazard ratio (95% CI)			Adjusted* hazard ratio (95% CI)		
	No. of events	All sex-			All sex-		
	(male-to-	reassignment	Male-to-	Female-to-	reassignment	Male-to-	Female-to-
	female/female-	persons	female only	male only	persons	female only	male only
Outcome	to-male)	(N=324)	(N=191)	(N=133)	(N=324)	(N=191)	(N=133)
Any death	27 (17/10)	2.9	2.6	3.7	2.8	2.4	3.8
		(1.9-4.5)	(1.5-4.5)	(1.8-7.7)	(1.8-4.3)	(1.4-4.1)	(1.8-7.9)
Death by suicide	10 (6/4)	19.1	13.9	40.0	N/A	N/A	N/A
		(6.5-55.9)	(3.9-49.6)	(4.5-357.9)			
Death by	9 (6/3)	2.6	2.3	3.2	N/A	N/A	N/A
cardiovascular		(1.2-5.4)	(0.9-5.7)	(0.9-11.9)			
disease							
Death by neoplasm	8 (4/4)	2.1	1.7	2.8	N/A	N/A	N/A
		(1.0-4.6)	(0.6-4.9)	(0.9-8.5)			
Any psychiatric	64 (43/21)	4.2	4. CO I	MPARED T	o	3.2	2.2
hospitalisation‡		(3.1-5.6)	(2.2	RMAL MEN		(2.1-4.9)	(1.3-4.0)
Substance misuse	22 (14/8)	3.0	2. DIFFERENCE IN THE			1.5	2.3
		(1.9-4.9)	(1.6-			(0.7-3.1)	(0.9-5.8)
Suicide attempt	29 (22/7)	7.6	15 RA1	TE OF CRIM	1E,	10.4	1.9
-		(4.7-12.4)	(7.9-; INC	LUDING VI	OLENT	(4.9-22.1)	(0.7-4.8)
Any accident	32 (19/13)	1.6	1.6 1. CRIME.			1.2	1.8
		(1.1-2.3)	(0.9-2.2)	(1.0-3.4)	(1.0-2.1)	(0.7-2.0)	(1.0-3.3)
Any crime	60 (33/27)	1.9	1.2	5.6	1.3	0.8	4.1
		(1.4-2.5)	(0.8-1.7)	(3.5-9.1)	(1.0-1.8)	(0.5-1.2)	(2.5-6.9)
Violent crime	14 (8/6)	2.7	1.8	9.9	1.5	0.8	7.2
		(1.5-4.9)	(0.8-3.7)	(3.2-30.7)	(0.8-3.0)	(0.3-2.1)	(2.1-24.4)

Notes: N/A Not applicable due to sparse data. *Adjusted for immigrant status and psychiatric morbidity up to baseline. ‡ Hospitalisations for gender identity disorder were excluded.

Table S2. Risk of various outcomes in sex-reassigned individuals in Sweden compared to controls matched for birth year and *final sex*.

	Crude hazard ratio (95% CI)			Adjus	Adjusted* hazard ratio (95% CI)		
No. of events	All sex-	Male-to-	Female-to-	All sex-reassigned	Male-to-female	Female-to-male only	
(male-to-	reassigned	female only	male only	subjects	only	(N=133)	
female/male-to-	subjects	(N=191)	(N=133)	(N=324)	(N=191)		
male)	(N=324)						
27 (17/10)	3.2	4.5	2.2	2.9	4.2	2.2	
	(2.1-5.0)	(2.5-8.0)	(1.1-4.3)	(1.8-4.6)	(2.3-7.7)	(1.1-4.6)	
10 (6/4)	12.1	60.0	5.4	N/A	N/A	N/A	
	(4.8-30.8)	(7.2-498.4)	(1.6-18.6)				
9 (6/3)	3.8	6.8	2.0	N/A	N/A	N/A	
	(1.7-8.2)	(2.3-19.6)	(0.6-6.9)				
8 (4/4)	2.6	2.1	3.2	N/A	N/A	N/A	
	(1.2-5.6)	(0.7-	MDADED :	TO DEAL			
64 (43/21)	4.3	5.			3.7	2.1	
	(3.2-5.8)	(3.7- WC	IMEN: NE	ARLY	(2.4-5.6)	(1.1-3.8)	
22 (14/8)	4.3	6. 7 T l	IMES THE	RATE OF	2.8	2.1	
	(2.6-7.1)	(3.2- CRI	ME. MOR	E THAN	(1.2-6.4)	(0.7-6.0)	
29 (22/7)	8.4	10 18 -	TIMES TH	E RATE OF	9.3	6.8	
	(5.1-13.8)	(5.9-1 VIO	I FNT CRI	MF	(4.4-19.9)	(2.1-21.6)	
32 (19/13)	1.4	1.	LLIVI CIVI		1.5	0.9	
	(1.0-2.1)	(1.1-2.8)	(0.6-2.1)	(0.8-1.8)	(0.9-2.6)	(0.5-1.8)	
60 (33/27)	2.1	7.4	1.1	1.6	6.6	0.7	
	(1.6-2.8)	(4.7-11.7)	(0.8-1.7)	(1.2-2.2)	(4.1-10.8)	(0.5-1.1)	
14 (8/6)	2.3	20.0	1.1	1.7	18.1	0.6	
	(1.3-4.1)	(6.0-66.4)	(0.5-2.4)	(0.9-3.1)	(5.4-61.2)	(0.2-1.6)	
	(male-to-female/male-to-male) 27 (17/10) 10 (6/4) 9 (6/3) 8 (4/4) 64 (43/21) 22 (14/8) 29 (22/7) 32 (19/13) 60 (33/27)	No. of events All sex-reassigned female/male-tomale) subjects male) (N=324) 27 (17/10) 3.2 (2.1-5.0) 12.1 (4.8-30.8) 3.8 (1.7-8.2) 4.3 8 (4/4) 2.6 (1.2-5.6) 4.3 (3.2-5.8) 4.3 (2.6-7.1) 29 (22/7) 8.4 (5.1-13.8) 32 (19/13) 1.4 (1.0-2.1) 60 (33/27) 2.1 (1.6-2.8) 14 (8/6) 2.3	No. of events (male-to-tomale) All sex-reassigned subjects (N=191) Male-to-female only (N=324) 27 (17/10) 3.2 4.5 (2.1-5.0) (2.5-8.0) 10 (6/4) 12.1 60.0 (4.8-30.8) (7.2-498.4) 9 (6/3) 3.8 6.8 (1.7-8.2) (2.3-19.6) 8 (4/4) 2.6 2.1 (1.2-5.6) (0.7-60) 64 (43/21) 4.3 5.0 22 (14/8) 4.3 6.7 22 (14/8) 4.3 6.7 29 (22/7) 8.4 10 32 (19/13) 1.4 1 (1.0-2.1) (1.1-2.8) 60 (33/27) 2.1 7.4 (1.6-2.8) (4.7-11.7) 14 (8/6) 2.3 20.0	No. of events (male-to-male-to-male) All sex-reassigned female only Male-to-male only (N=133) Female-to-male only (N=133) male) (N=324) (N=191) Female-to-male only (N=133) 27 (17/10) 3.2 4.5 2.2 (2.1-5.0) (2.5-8.0) (1.1-4.3) 10 (6/4) 12.1 60.0 5.4 (4.8-30.8) (7.2-498.4) (1.6-18.6) 9 (6/3) 3.8 6.8 2.0 (1.7-8.2) (2.3-19.6) (0.6-6.9) 8 (4/4) 2.6 2.1 3.2 64 (43/21) 4.3 5. WOMEN: NE 7 TIMES THE CRIME. MOR 29 (22/7) 8.4 10 18 TIMES TH 29 (22/7) 8.4 10 18 TIMES TH VIOLENT CRI 32 (19/13) 1.4 1. (1.0-2.1) (1.1-2.8) (0.6-2.1) 60 (33/27) 2.1 7.4 1.1 (1.6-2.8) (4.7-11.7) (0.8-1.7) 14 (8/6) 2.3 20.0 1.1 1.1	No. of events (male-to-tomale-to-tomale) All sex-reassigned female only (N=324) Female-tomale only (N=133) All sex-reassigned subjects (N=191) Female-tomale only (N=324) All sex-reassigned subjects (N=191) Female-tomale only (N=324) All sex-reassigned subjects (N=191) All sex-reassigned subjects (N=324) All sex-reassigned subjects (1,24) All sex-reassigned subjects (1,24) All sex-reassigned subjects (1,24) All sex-reassigned subjects (1,24) All subjects (1,24) All subjects (1,24) All subjec	No. of events (male-to- (male-to- (male-to- teasigned (male-to- teasigned male)) All sex- reassigned (male only temale) Female only (N=133) All sex-reassigned subjects (N=191) Male-to- male only subjects (N=191) Male-to- subjects (N=191) Male-to- only subjects only (N=1324) Male-to- only subjects only (N=191) Male-to- only subjects only (N=191) Male-to- only subjects only subjects only (N=191) Male-to- only subjects only (N=191) Male only subjects only subjects only (N=191) Male only subjects only (N=191) Male only subjects only (N=191) Only (N=191	

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